

Claims

1. A method for traffic management in a radio system,
c h a r a c t e r i z e d by
monitoring (502) at least one cell load parameter of non-real-time
5 users in a radio cell;
triggering (504) a cell reselection process in the radio cell on the ba-
sis of a cell load parameter exceeding a pre-set cell load threshold;
selecting (506), based on at least one cell load parameter, the non-
real-time users to perform cell reselection;
10 triggering (508) the selected non-real-time users to perform cell re-
selection.
2. The method of claim 1, c h a r a c t e r i z e d by selecting, based
on the cell load parameter, the number of non-real-time users to perform cell
reselection.
- 15 3. The method of claim 1, c h a r a c t e r i z e d by using different
pre-set cell load thresholds for different traffic classes or priority classes of the
non-real-time users.
4. The method of claim 1, c h a r a c t e r i z e d in that the non-real
time users are selected for cell reselection on the basis of at least one of the
20 following cell load parameters:
 - experienced quality of service;
 - experienced delay;
 - data throughput;
 - transmission power level;
 - 25 - capacity request rejection rate;
 - used temporary block flows;
 - number of temporary block flow users.
5. The method of claim 1, c h a r a c t e r i z e d in that the non-real-
time users are ranked on the basis of a cell load parameter, and that the selec-
30 tion of the non-real-time users to perform cell reselection is based on the rank-
ing.
6. The method of claim 1, c h a r a c t e r i z e d in that the number
of non-real-time users to perform cell reselection is based on the magnitude by
which the pre-set cell load threshold is exceeded.
- 35 7. The method of claim 1, c h a r a c t e r i z e d in that the cell rese-
lection is an inter-system cell reselection or an inter-carrier cell reselection.

8. A radio system, comprising
a base station (226) for providing a radio cell (206) for radio transmission and reception to user equipment (270, 272, 274),

characterized in that the radio system is configured to:

5 monitor at least one cell load parameter of non-real-time users (270, 272, 274) in a radio cell (226);

trigger a cell reselection process in the radio cell (226) on the basis of a cell load parameter exceeding a pre-set cell load threshold,

10 select, based on at least one cell load parameter, the non-real-time users (270, 272) to perform cell reselection;

trigger the selected non-real-time users (270, 272) to perform cell reselection.

9. The system of claim 8, characterized in that the system is configured to select, based on the cell load parameter, the number of non-real-time users (270, 272) to perform cell reselection.

10. The system of claim 8, characterized in that the system is configured to use different pre-set cell load thresholds for different traffic classes or priority classes of the non-real-time users (270, 272, 274).

11. The system of claim 8, characterized in that the system is configured to select, based on at least one of the following cell load parameters, non-real-time users (270, 272, 274) for cell reselection:

-experienced quality of service;

-experienced delay;

-data throughput;

25 -transmission power level

- capacity request rejection rate;

-used temporary block flows;

-number of temporary block flow users.

12. The system of claim 8, characterized in that the system is configured to rank the non-real-time users on the basis of a cell load parameter, and that the selection of the non-real-time users to perform cell reselection is based on the ranking.

13. The system of claim 8, characterized in that the system is configured to select, based on the magnitude by which the pre-set cell load threshold is exceeded, the number of non-real-time users (270, 272) to perform cell reselection.

14. The system of claim 8, characterized in that the radio system is configured to trigger an inter-system cell reselection or an inter-carrier cell reselection.

15. The system of claim 8, characterized in that the radio system comprises a controller 200 configured to:

monitor at least one cell load parameter of non-real-time users (270, 272, 274) in a radio cell (226);

trigger a cell reselection process in the radio cell (226) on the basis of a cell load parameter exceeding a pre-set cell load threshold,

select, based on at least one non-real-time cell load parameter, the non-real-time users (270, 272) to perform cell reselection;

trigger the selected non-real-time users (270, 272) to perform cell reselection.

16. The system of claim 8, characterized in that the radio system comprises:

monitoring means (208) for monitoring at least one cell load parameter of non-real-time users (270, 272, 274) in a radio cell (226);

triggering means (210) for triggering a cell reselection process in the radio cell (226) on the basis of a cell load parameter exceeding a pre-set cell load threshold,

selecting means (212) for selecting, based on at least one non-real-time cell load parameter, the non-real-time users (270, 272) to perform cell reselection;

triggering means (210) for triggering the selected non-real-time users (270, 272) to perform cell reselection.